

Table S1. Biodata of the populations used in the analysis.

Acronym	Generations of the breeding program	Traits selected	Inbreeding management
CL_1	15	Harvest weight	-
CL_2	-	-	-
CL_3	8	Growth	Avoidance of sib matings
CL_4	8	Growth	Avoidance of sib matings
CL_5	5	Not known	Incorporating eggs from other companies.
USA_1 (even line)	21	The selection was primarily for growth and survival	Circular matings and avoidance matings between close relatives
USA_1' (odd line)	20	The selection was primarily for growth and survival	Circular matings and avoidance matings between close relatives
WRH	-	Natural selection at the hatchery environment	-
Japan	2	Harvest weight [13]	No information